



General Safety Services

2272 Colorado Blvd. STE. 1372

Los Angeles, CA 90041

(323) 258- 2771

January 29, 2007

**Electronic Chrome & Grinding Co., Inc.
9132 Dice Road
Santa Fe Springs, CA 90670
Attention: Mr. Ed Kruk, Safety Coordinator**

Dear: Mr. Kruk:

We conducted a hazard survey at your facility located at: 9132 Dice Road, in Santa Fe Springs, CA 90670 starting on January 25, 2007. We agreed at the outset of the consultation, the scope of this evaluation entailed:

- A determination of the cause(s) of your establishment's preventable work-related injuries, illnesses, and workers' compensation losses;**
- Developing corrective action on abating existing hazards;**
- Determining compliance with Title 8, California Code of Regulations (T8CCR) throughout your workplace.**

NOTE: The purpose of this onsite consultation was not to "OSHA proof" your workplace but to eliminate hazards in your workplace. Consequently, it is possible that not all hazard related issues were addressed.

- Increasing your understanding of how to do your own workplace hazard and T8CCR compliance evaluations;
- Providing training and assistance on identified preventable injuries and illnesses, as well as conflicts with Title 8, California Code of Regulations.

The following is an overview of the:

- Hazard trends that have not yet caused injuries or illnesses but may do so in the near future.

An Action Plan is an important management tool used to ensure effective and timely implementation of the steps necessary to insure the elimination of hazards in your workplace and / or reduce injury, illness, and loss rates. The following are the Action Items identified for your workplace:

Action Item # 1: Portable Fire Extinguisher Monthly Inspection.

Implementation Steps: The room shall be equipped with an ABC fire extinguisher that is mounted and is inspected monthly and the person making these monthly inspections shall date and initial on the reverse side of the inspection tag that the fire extinguisher is serviceable.



Location: Shipping & Receiving. Photo # 1.

Title 8 Reference: 6151 (e) (2)

MONTHly READINGS

Action Item # 2: Flammable Materials Storage Cabinets

Implementation Steps: Storage cabinets shall be provided to store not more than 120 gallons of Class I, Class II, and Class III A liquids in any one storage cabinet. Not more than three such cabinets may be located in a single fire area and stored at least 100 feet apart. The storage cabinets shall meet the standards set forth in NFPA No. 251-1972. the cabinets shall be labeled in conspicuous lettering "FLAMMABLE-KEEP FIRE AWAY." The door shall be provided with a three-point lock, and the doorsill shall be raised at least two inches above the bottom of the cabinet. An on going inventory shall be maintained on the inside of the door.



Location: Shipping & Receiving. Photo # 2.

Title 8 Reference: 5533

Action Item # 3: Propane Compressed Gas Cylinder Storage

Implementation Steps: All compressed gas cylinders are to be stored in such a manner as to prevent tipping or falling.



Location: Shipping & Receiving. Photo # 3.

Title 8 Reference: 4650.

Action Item # 4: Metal Cutting Knife Protection

Implementation Steps: The metal cutting knife needs to be secured in a downward position when not in use.

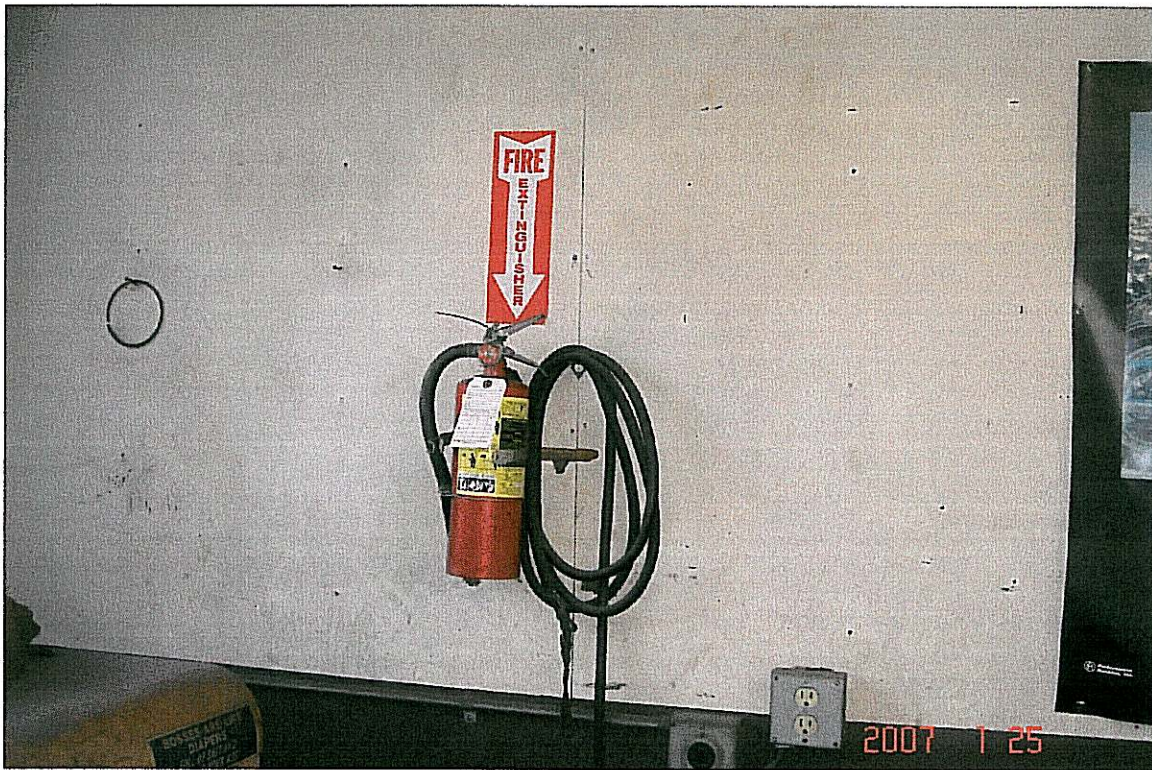


Location: Lunch area. Photo # 4.

Title 8 Reference: 4310.

Action Item # 5: Fire Extinguisher Inspection

Implementation Steps: The fire extinguisher needs to be inspected monthly and initialed on the back of the inspection tag.

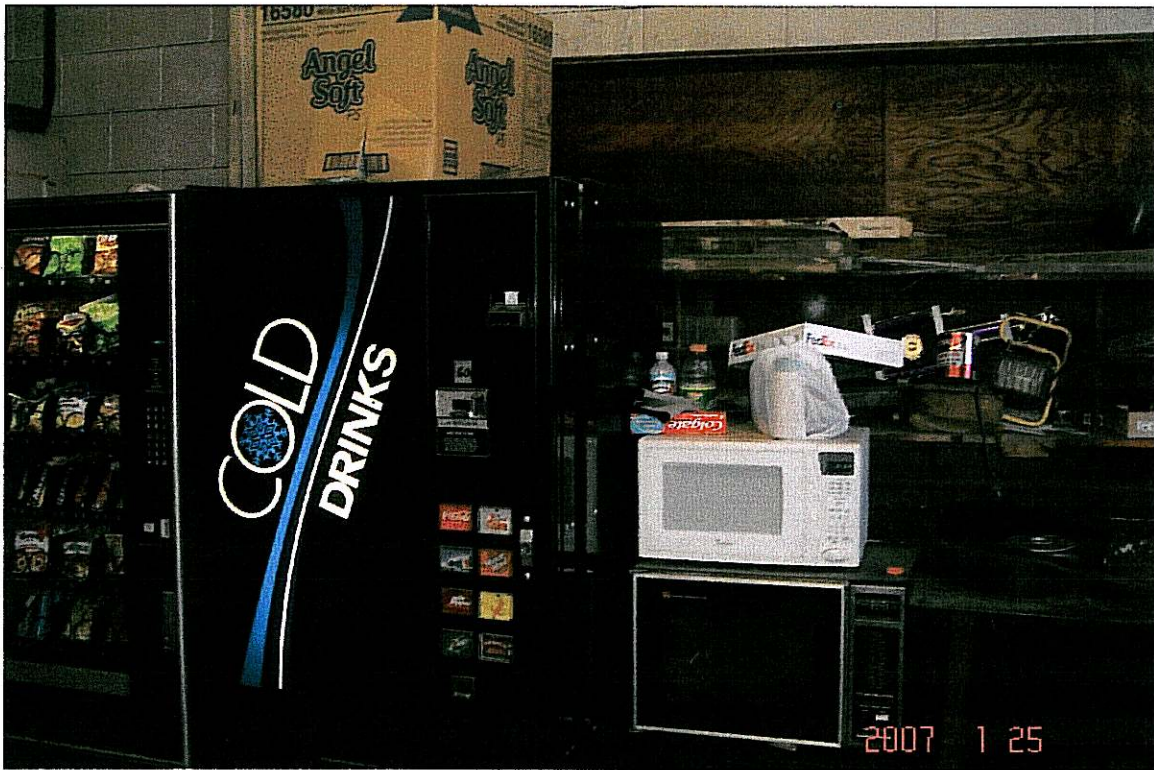


Location: Lunch area. Photo # 5.

Title 8 Reference: 6151.

Action Item # 6: Storage of Foods in Work Area

Implementation Steps: Foods consumed by employees need to be isolated from the work area.



Location: Lunch area. Photo # 6.

Title 8 Reference: 3457.

Action Item # 7: Electrical Panel Integrity

Implementation Steps: The electrical panel needs to be secured with a painted 3 foot clearance and the door must remain shut at all times.

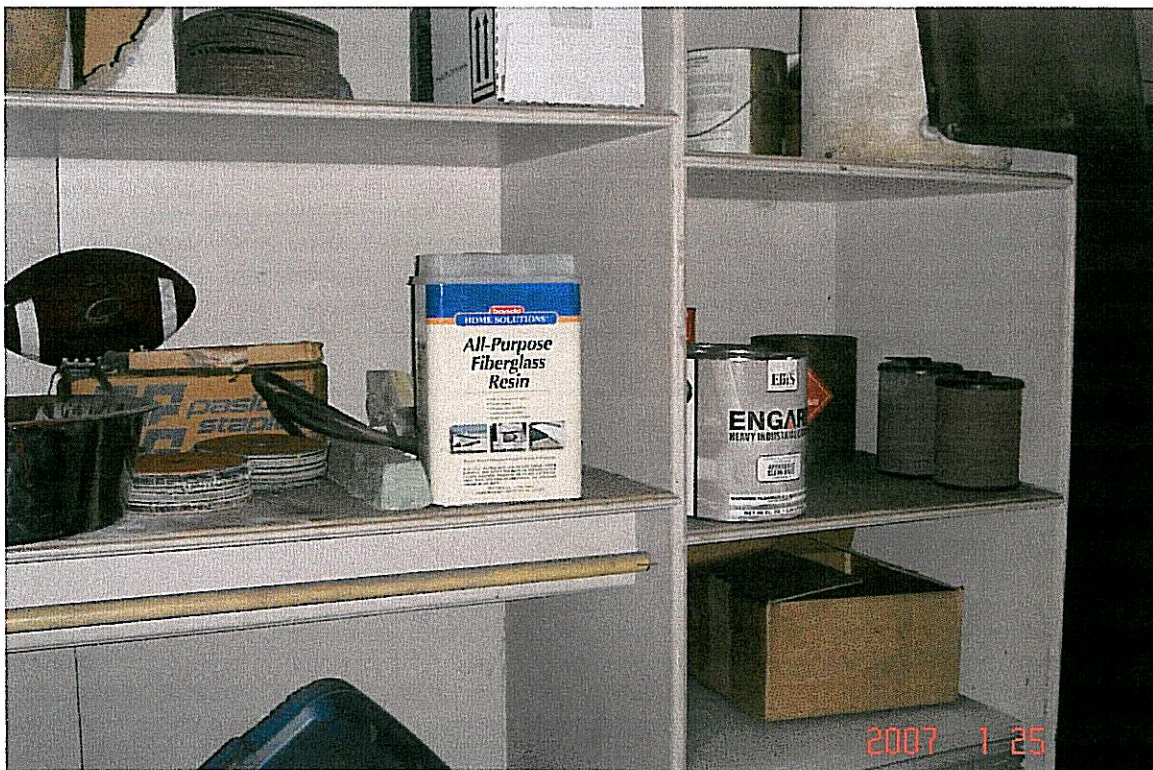


Location: Adjacent to welding table. Photo # 7

Title 8 Reference: 2340.17.

Action Item # 8: Flammable Materials Storage Cabinets

Implementation Steps: Storage cabinets shall be provided to store not more than 120 gallons of Class I, Class II, and Class III A liquids in any one storage cabinet. Not more than three such cabinets may be located in a single fire area and stored at least 100 feet apart. The storage cabinets shall meet the standards set forth in NFPA No. 251-1972. The cabinets shall be labeled in conspicuous lettering "FLAMMABLE-KEEP FIRE AWAY." The door shall be provided with a three-point lock, and the doorsill shall be raised at least two inches above the bottom of the cabinet. An on going inventory shall be maintained on the inside of the door.

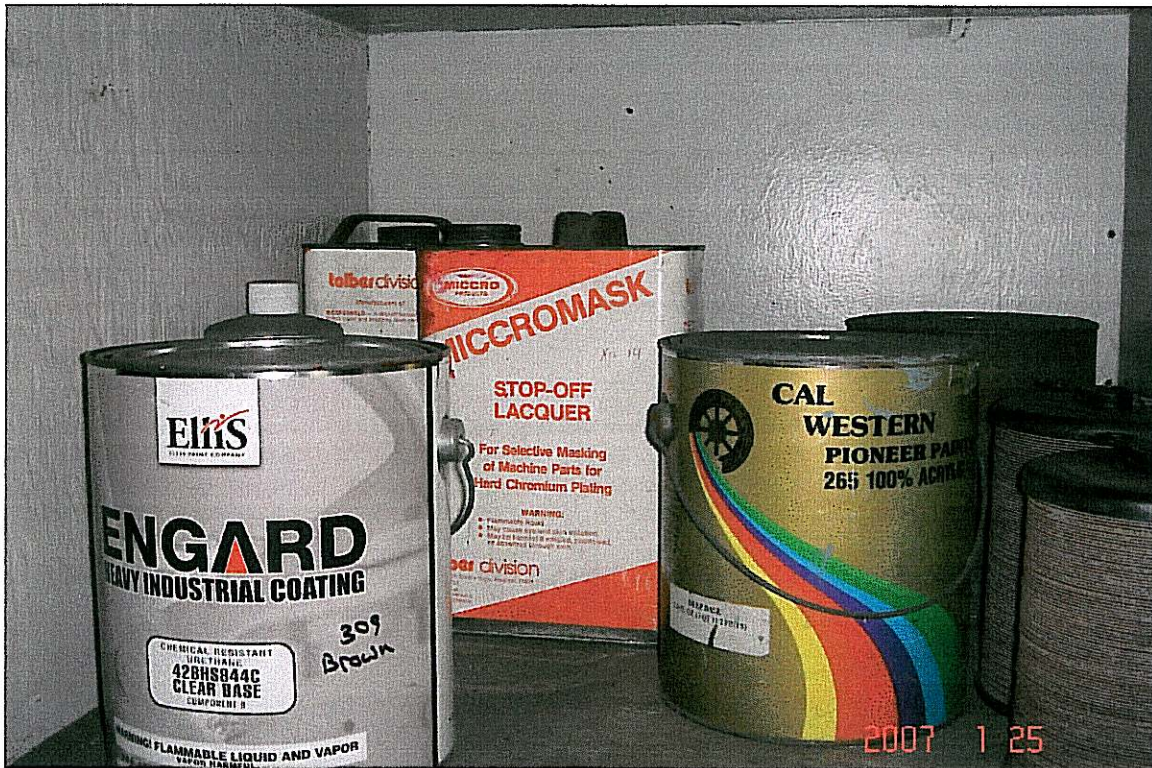


Location: Grinder room. Photo # 8.

Title 8 Reference: 5533

Action Item # 9: Storage of Flammable Liquids

Implementation Steps: All flammable liquids are to be stored in approved NFPA storage cabinets.



Location: Grinder room. Photo # 9.

Title 8 Reference: 5533.

Action Item # 10: Employee Clothing Storage

Implementation Steps: Employee clothing needs to be stored in individual lockers separate from the general work area.



Location: Grinding area. Photo # 10.

Title 8 Reference: 3457.

Action Item # 11: Metal Cabinet Securing

Implementation Steps: The metal cabinets need to be secured to the wall studs to prevent tipping and/or falling during an earthquake.



Location: Shop area. Photo # 11.

Title 8 Reference: 3241.

Action Item # 12: Chemical Container Marking

Implementation Steps: All plastic bottle containing chemicals need to have the contents marked.



Location: Shop area. Photo # 12.

Title 8 Reference: 5194 (f).

Action Item #13: Guarding of Electrical Outlets

Implementation Steps: The electrical outlets need to be provided with secure covers to eliminate contact.

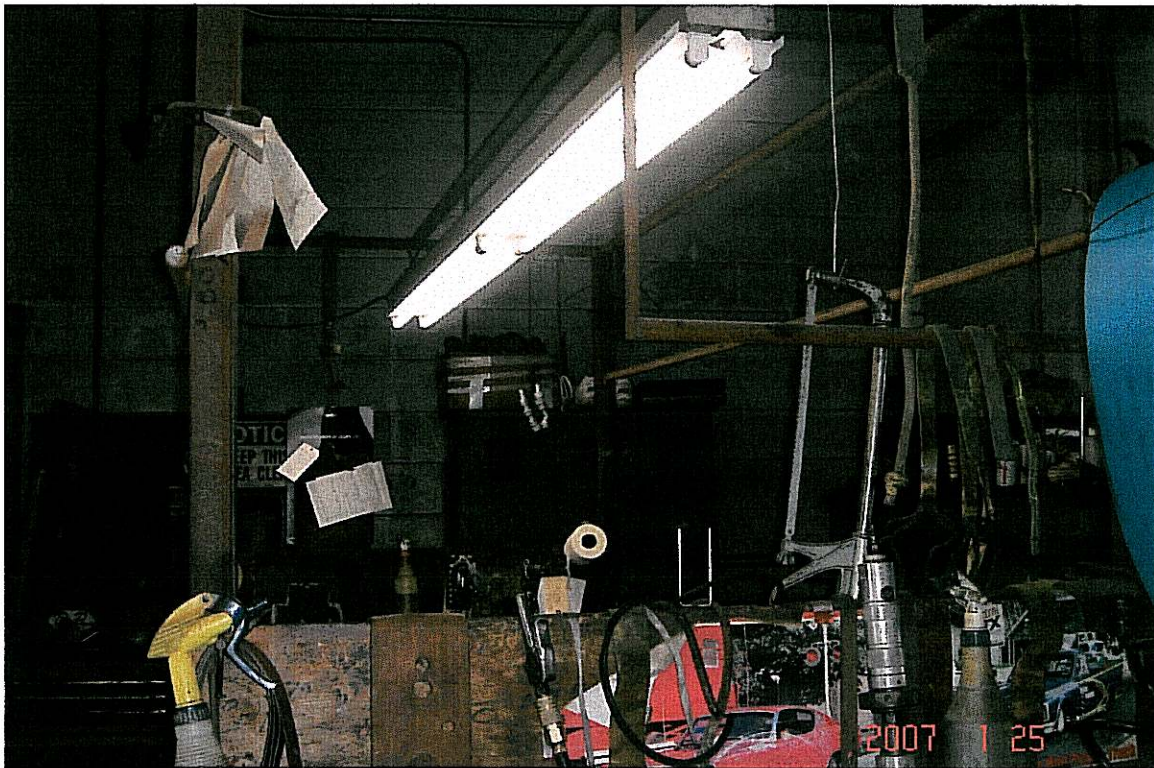


Location: Shop area. Photo # 13.

Title 8 Reference: 2340.26.

Action Item # 14: Fluorescent Light Tube Protection

Implementation Steps: All fluorescent light tubes that are exposed to accidental contact and or damage need to be guarded with plastic shields placed over them.



Location: Workbench. **Photo #** 14.

Title 8 Reference: 2405.1

Action Item # 15: Grinder Safety

Implementation Steps: Abrasive wheels shall be provided with protection hoods or safety guards, which shall be of such design and construction as to effectively, protect the employee from flying fragments of a bursting wheel insofar as the operation will permit. The tool rests shall be kept adjusted closely to the wheel with a maximum opening of one-eighth inch.



Location: Shop area. Photo # 15.

Title 8 Reference: 3577.

Action Item # 16: Weather head Electrical Outlet

Implementation Steps: Provide external weather heading to the electrical outlet to prevent combustible dusts from coming into contact with energized system.

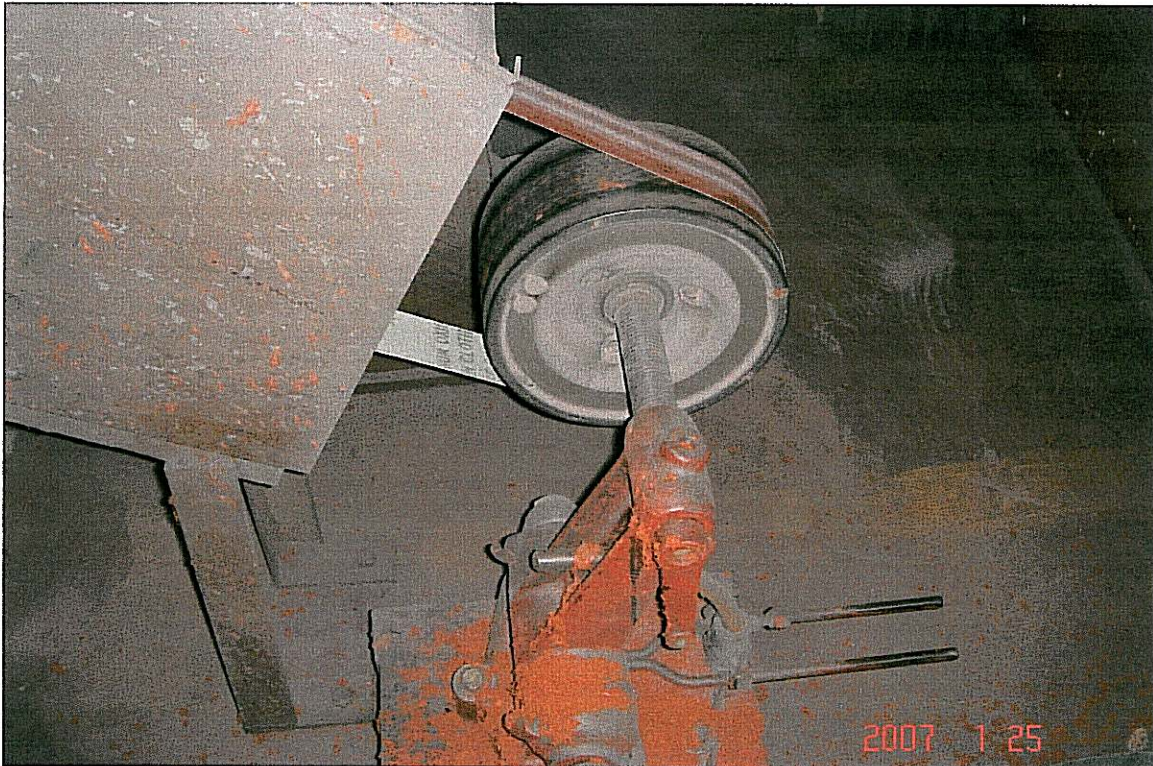


Location: Area behind grinder. Photo # 16.

Title 8 Reference: 2405.1.

Action Item # 17: Cloth Grinder Belt guarding

Implementation Steps: The cloth grinder belt needs to be completely guarded on the grinder.

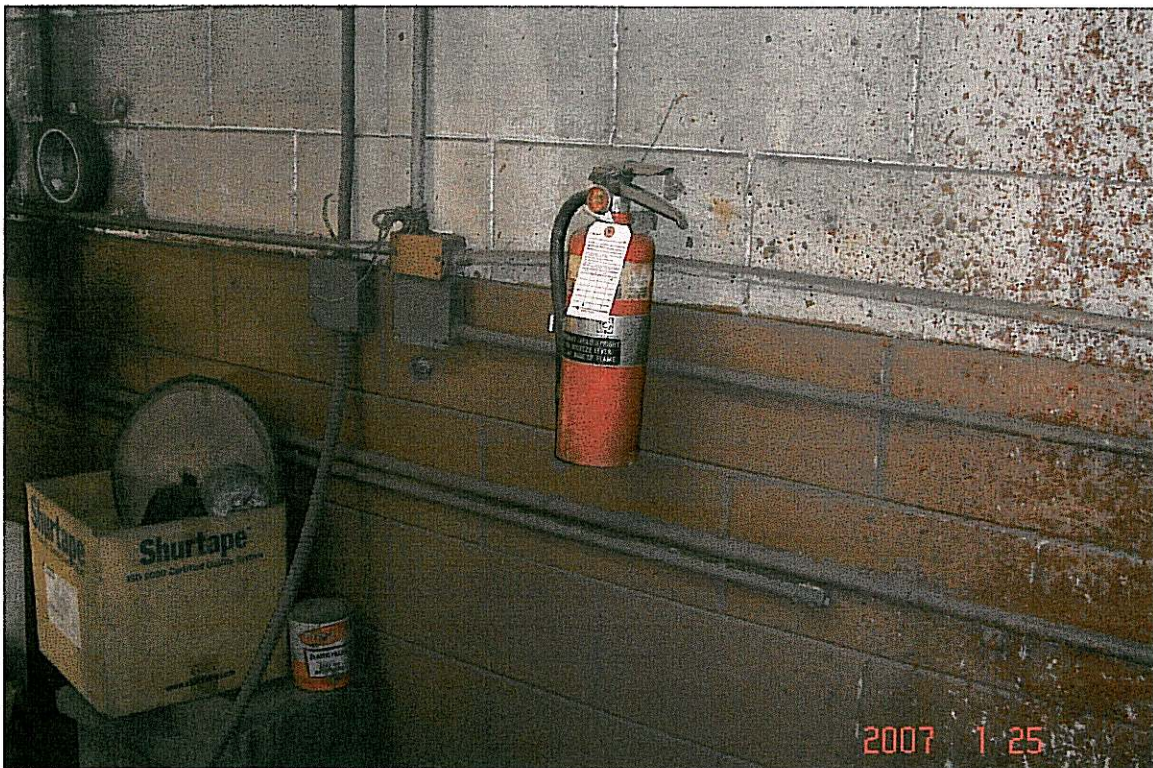


Location: Shop area. Photo # 17.

Title 8 Reference: 4070 ©.

Action Item # 18: Portable Fire Extinguisher Monthly Inspection.

Implementation Steps: The room shall be equipped with an ABC fire extinguisher that is mounted and is inspected monthly and the person making these monthly inspections shall date and initial on the reverse side of the inspection tag that the fire extinguisher is serviceable.



Location: Shop area. Photo # 18.

Title 8 Reference: 6151 (e) (2)

Action Item # 19: Anchoring of Machinery

Implementation Steps: All equipment (King Pedestal drill press) that can "walk" when operated or can tip over needs to be permanently anchored to the floor.



Location: Shop area. Photo # 19.

Title 8 Reference: 3328 (d).

Action Item # 20: Electrical Wiring Needs to be Direct Wired

Implementation Steps: The drill press needs to be direct wired to the electrical system.

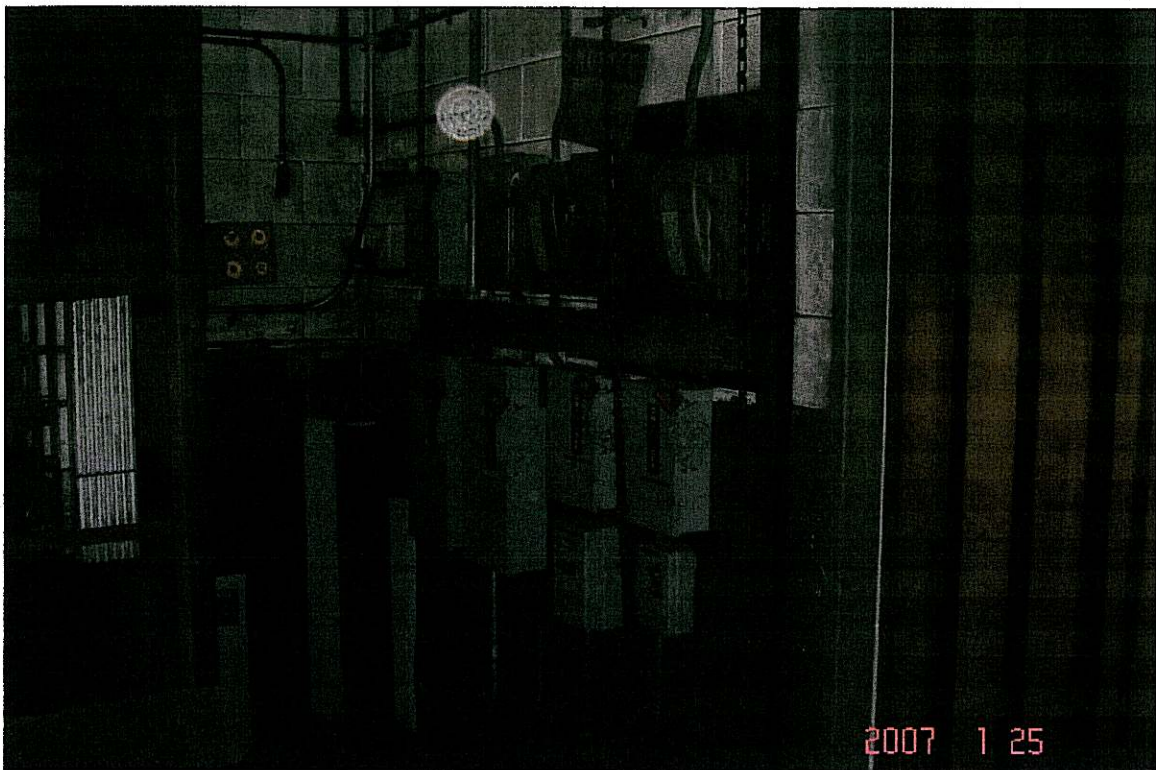


Location: Shop area. Photo # 20.

Title 8 Reference: 2340.26.

Action Item # 21: Electrical Panel Blockage

Implementation Steps: The electrical panel needs a 36 inch minimum clearance around the panel. A painted yellow strip needs to be affixed around the panel. The circuit breakers need to be identified as to their location.



Location: Shop area. Photo # 21.

Title 8 Reference: 2340.16.

Action Item # 22: Chop Saw not Secured

Implementation Steps: The chop saw needs to be secured to the floor to avoid tipping and or falling.



Location: Shop area. Photo # 22.

Title 8 Reference: 3328 (d).

Action Item # 23: Fluorescent Light Tube Protection

Implementation Steps: Plastic shields need to be placed over the light tubes to prevent accidental contact by employees.



Location: Shop area. Photo # 23.

Title 8 Reference: 2405.1.

Action Item # 24: Fan Blade Guarding

Implementation Steps: The fan blades in the freezer need to be guarded to prevent accidental contact by employees.

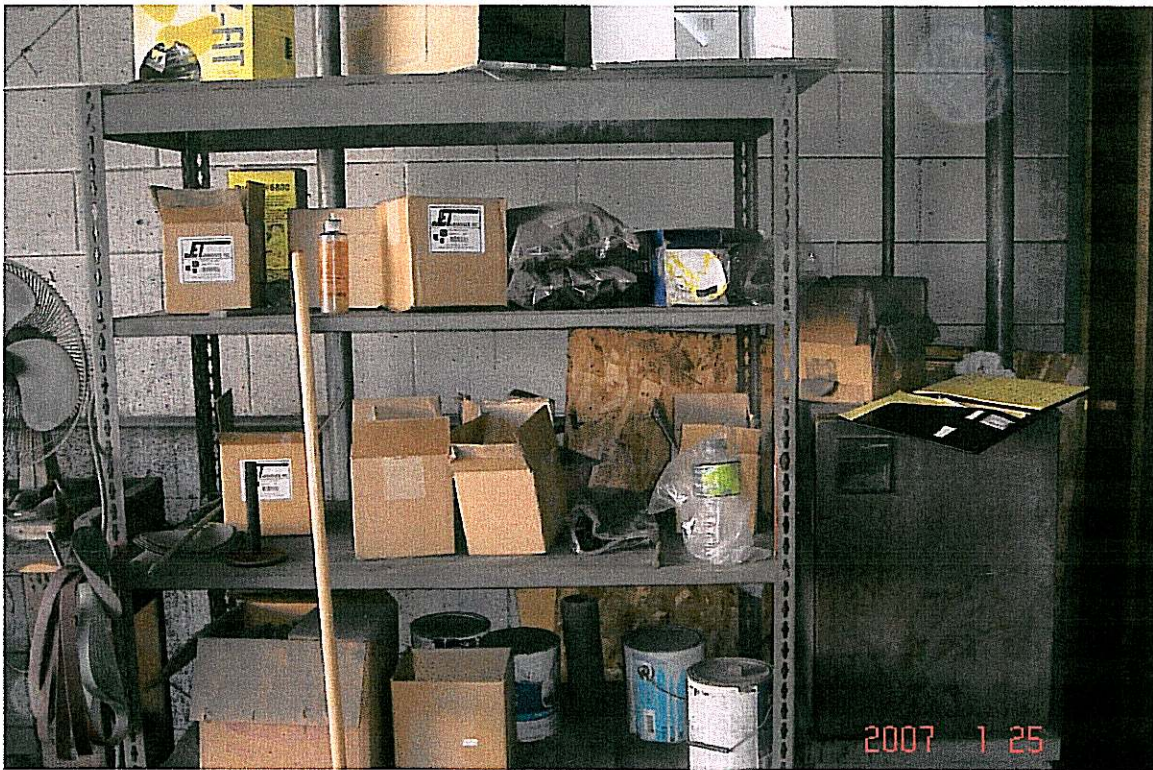


Location: Grinder area. Photo # 24.

Title 8 Reference: 4002.

Action Item # 25: Metal Storage Rack Securing

Implementation Steps: The 5 shelf metal storage rack needs to be secured to the wall to prevent tipping and or falling.

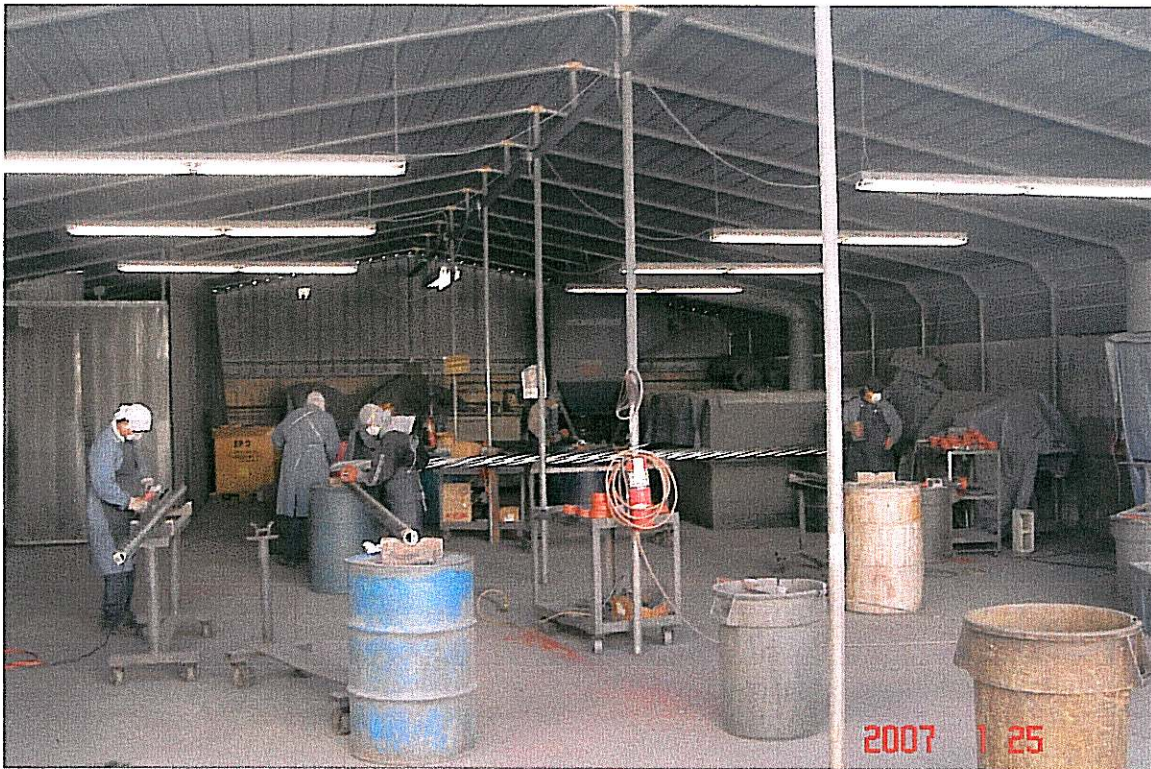


Location: Grinder area. Photo # 25.

Title 8 Reference: 3241.

Action Item # 26: Fluorescent Light Tube Protection

Implementation Steps: All fluorescent light tubes that are exposed to accidental contact and or damage need to be guarded with plastic shields placed over them.

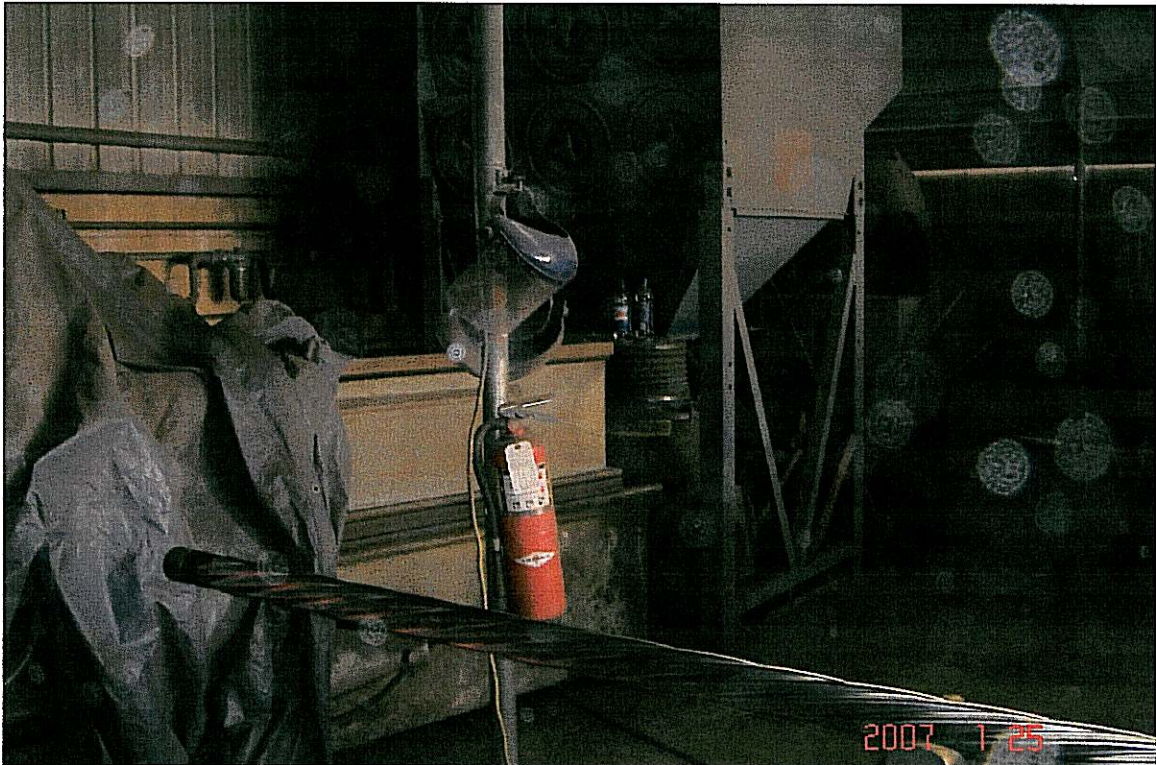


Location: Grinder area. **Photo #** 26.

Title 8 Reference: 2405.1

Action Item # 27: Portable Fire Extinguishers Maintenance

Implementation Steps: The portable fire extinguisher shall be mounted, located and identified so they can be readily accessible to employees without subjecting the employees to possible injury.



Location: Grinder area. Photo # 27.

Title 8 Reference: 6151 (c) (1).

Action Item # 28: Eye and Face Protection

Implementation Steps: Employees working in locations where there is a risk of receiving eye and face injuries such as punctures, abrasions, contusions, or burns as a result of contact with flying objects, hazardous substances, projections or injurious light rays which are inherent to the work or environment, shall be safeguarded by means of full face shield and eye protection.

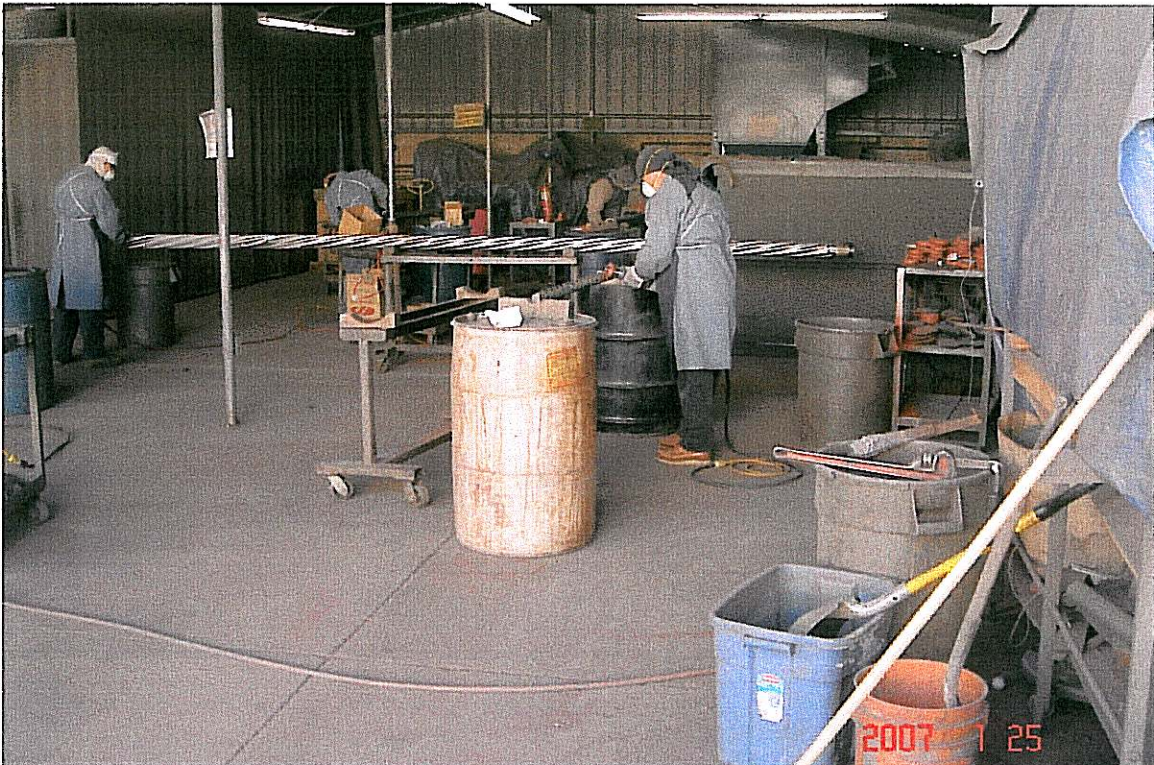


Location: Grinder area. **Photo:** 28.

Title 8 Reference: 3382.

Action Item # 29: Securing Equipment

Implementation Steps: The use of 55 gallon drums to hold materials on should be replaced with a secure, stable table.



Location: Grinding area. **Photo:** 29.

Title 8 Reference: 3704.

Action Item # 30: Fire Extinguisher Monthly Inspection

Implementation Steps: The fire extinguisher needs to be inspected monthly and initialed on the back of the inspection tag and needs to be free from hose storage.

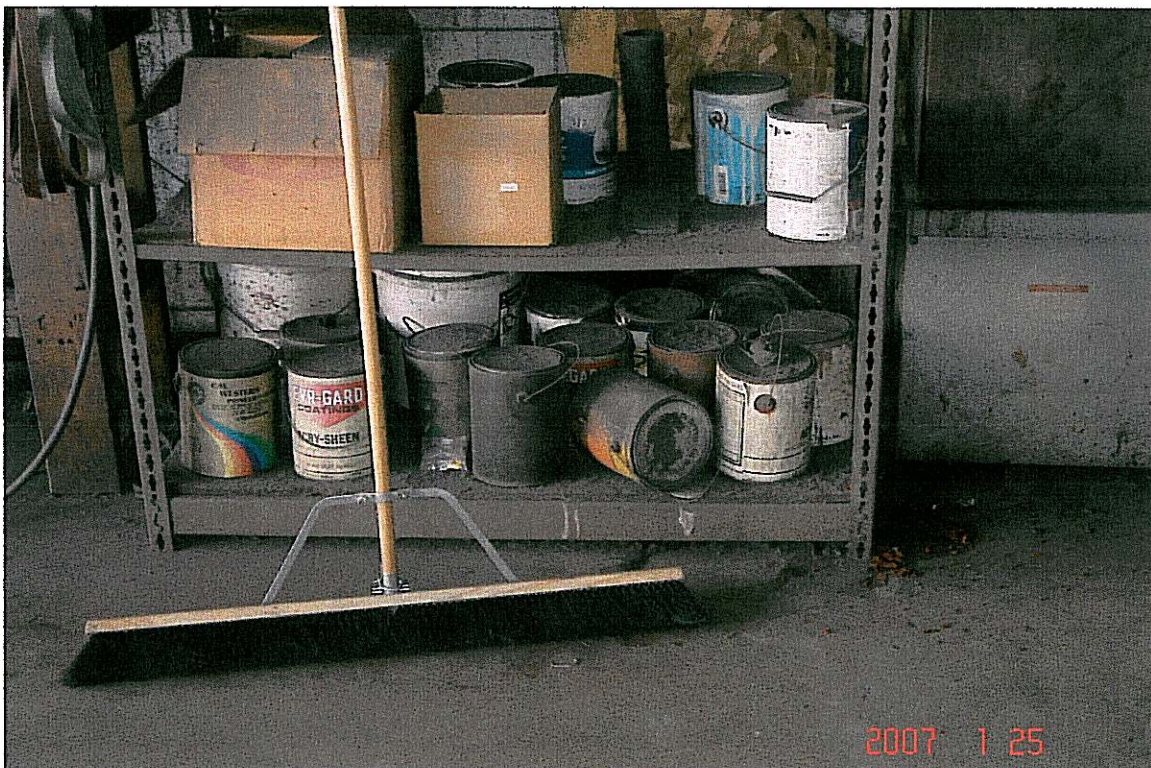


Location: Grinding area. Photo # 30

Title 8 Reference: 6151.

Action Item # 31: Flammable Materials Storage Cabinets

Implementation Steps: Storage cabinets shall be provided to store not more than 120 gallons of Class I, Class II, and Class III A liquids in any one storage cabinet. Not more than three such cabinets may be located in a single fire area and stored at least 100 feet apart. The storage cabinets shall meet the standards set forth in NFPA No. 251-1972. the cabinets shall be labeled in conspicuous lettering "FLAMMABLE-KEEP FIRE AWAY." The door shall be provided with a three-point lock, and the doorsill shall be raised at least two inches above the bottom of the cabinet. An on going inventory shall be maintained on the inside of the door.

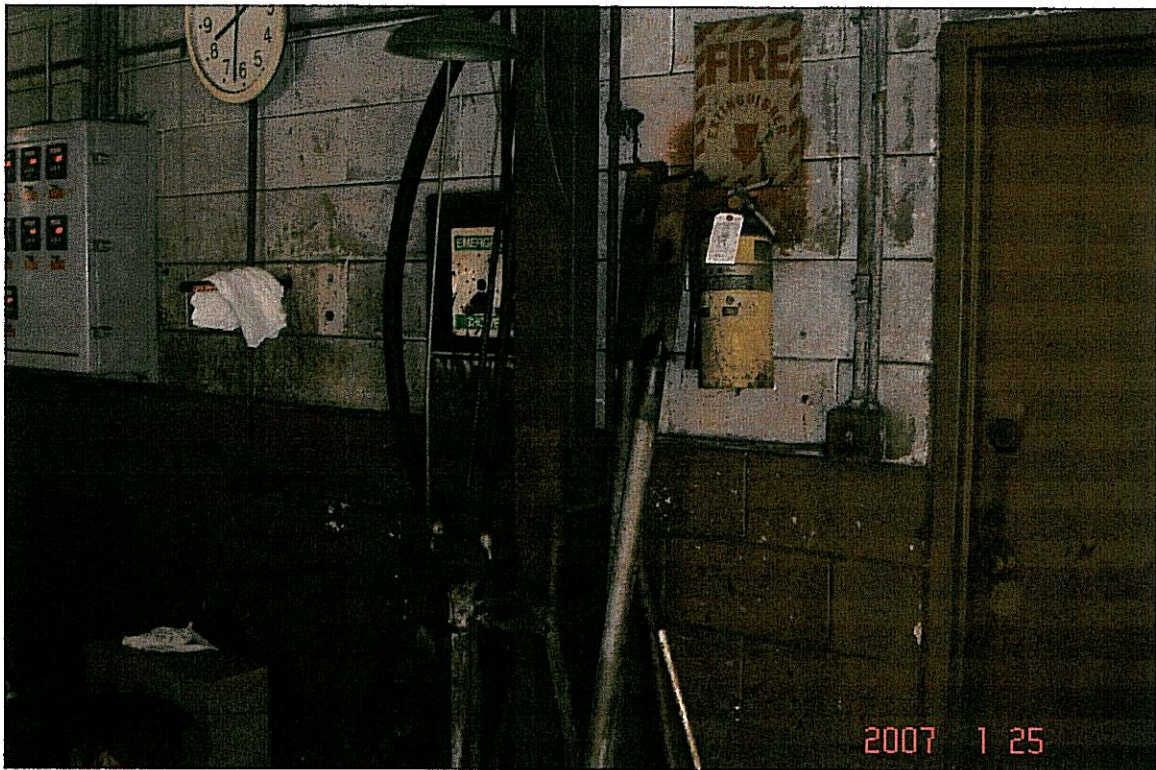


Location: Shipping & Receiving. Photo # 31.

Title 8 Reference: 5533

Action Item # 32: Emergency Eyewash Station Locations

Implementation Steps: Emergency eyewash and shower equipment needs to be operational at all work areas where, during routine operations or foreseeable emergencies, the eyes of an employee can come into contact with any substance which can cause corrosion, severe irritation or permanent tissue damage or which is toxic by absorption. These units must meet the requirements of ANSI Z358.1-1981.



Location: Dip tank area. Photo # 32.

Title 8 Reference: 5162 ©.

Action Item # 33: Exit Sign Designation

Implementation Steps: Exit sign needs to be effectively affixed over the exit door.



Location: Dip tank area. Photo # 33

Title 8 Reference: 3216.

Action Item # 34: Safety Clip Installation

Implementation Steps: A safety clip needs to be affixed on the throat of the hoisting hook.

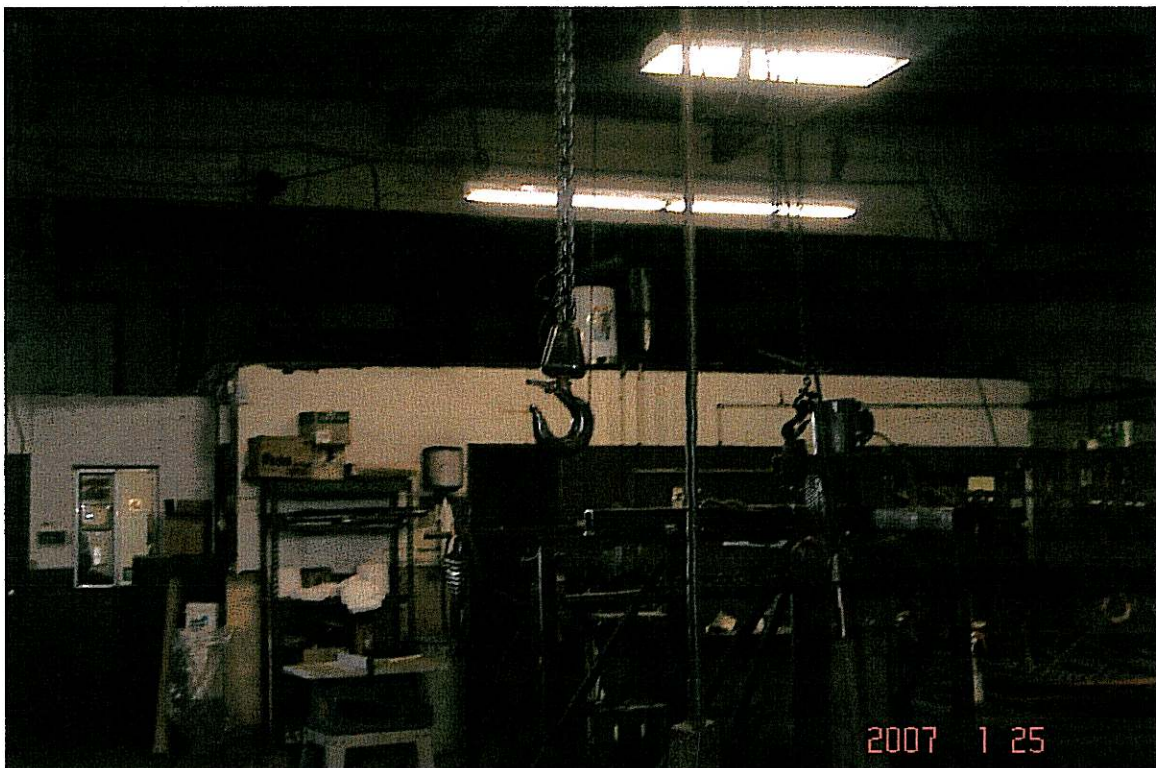


Location: Dip tank area. Photo # 34.

Title 8 Reference: 3999.

Action Item # 35: Safety Clip Repair

Implementation Steps: A safety clip needs to be repaired on the throat of the hoisting hook.



Location: Dip tank area. Photo # 35.

Title 8 Reference: 3999.

Action Item # 36: Table Saw Guarding

Implementation Steps: The saw blade shall be guarded by a hood, which shall completely enclose that portion of the saw blade above the table and that portion of the blade above the material being cut.

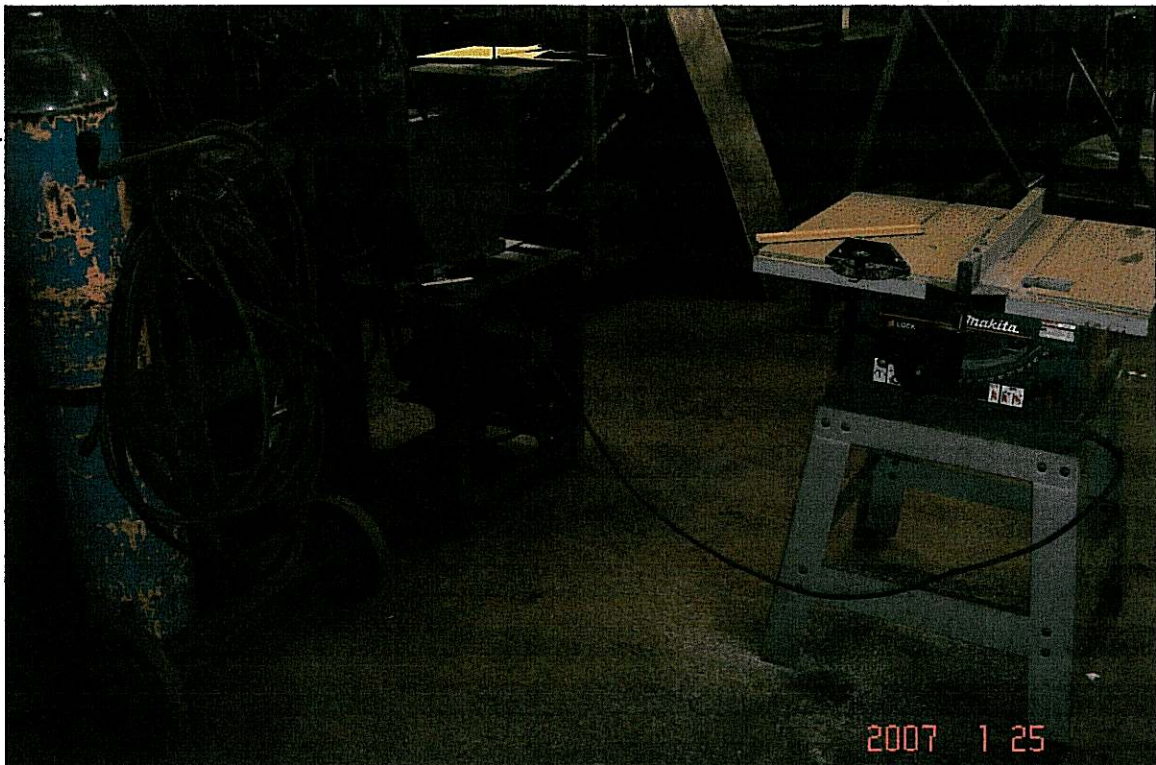


Location: Shop area. Photo # 36.

Title 8 Reference: 4300 (a)

Action Item # 37: Electrical Wiring Needs to be Direct Wired

Implementation Steps: The table saw needs to be direct wired to the electrical system.

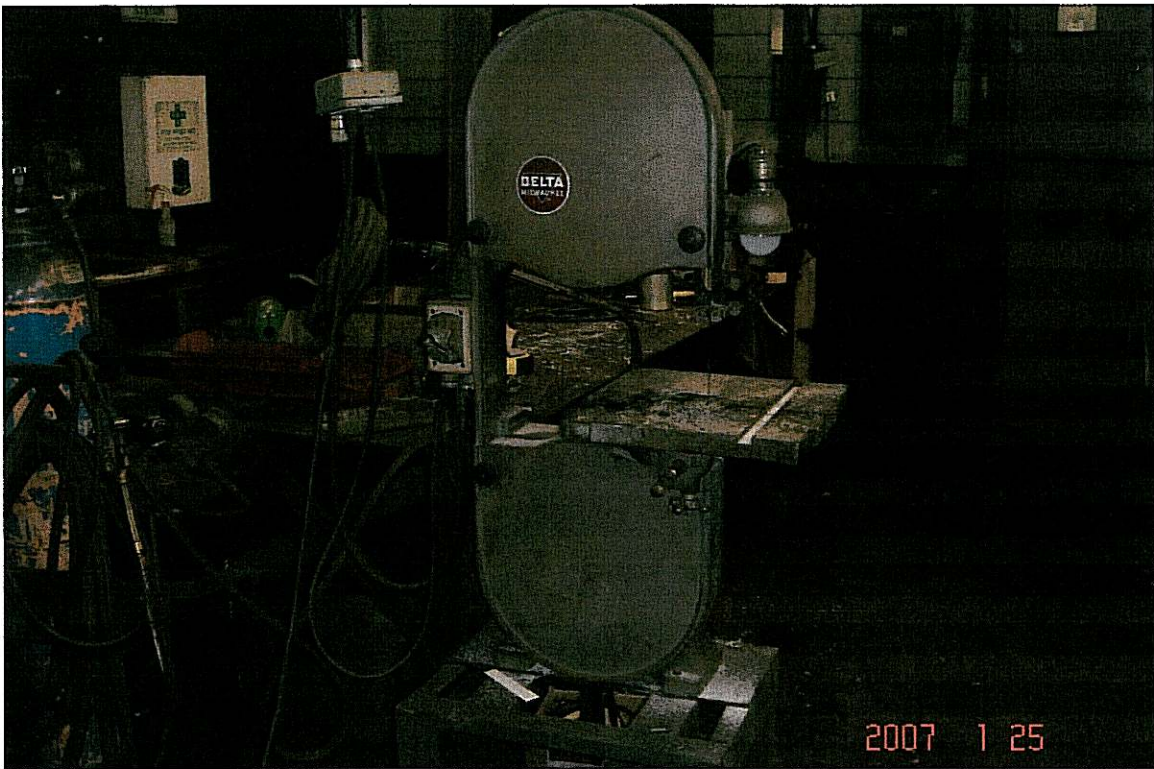


Location: Shop area. Photo # 37.

Title 8 Reference: 2340.26.

Action Item # 38: Band Saw Blade Guarding

Implementation Steps: The band saw blade shall be guarded by insuring that the blade guard covers the exposed blade at all times.

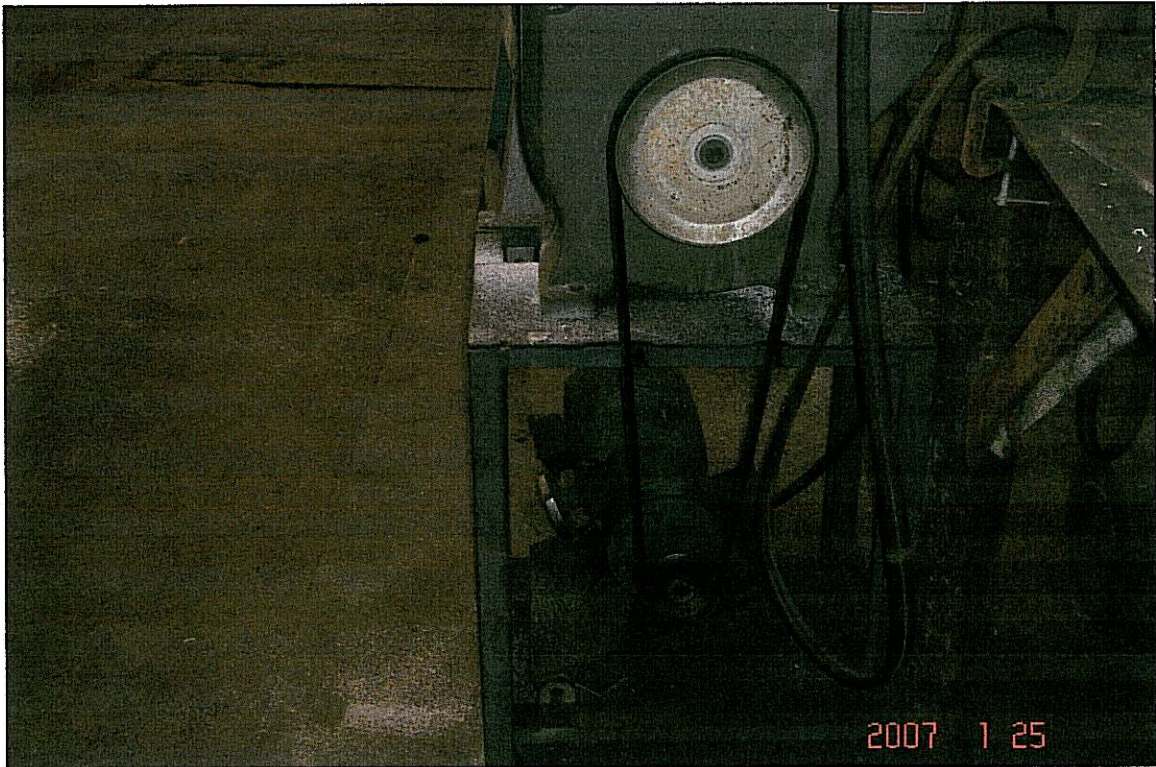


Location: Shop area. Photo # 38.

Title 8 Reference: 4310.

Action Item # 39: V-Belt guarding

Implementation Steps: The v-belt needs to be completely guarded on the delta band saw.



Location: Shop area. Photo # 39.

Title 8 Reference: 4070 ©.

Action Item # 40: Electric Light Bulb Protection

Implementation Steps: The electric light bulb needs to be guarded against accidental contact and/or damage.

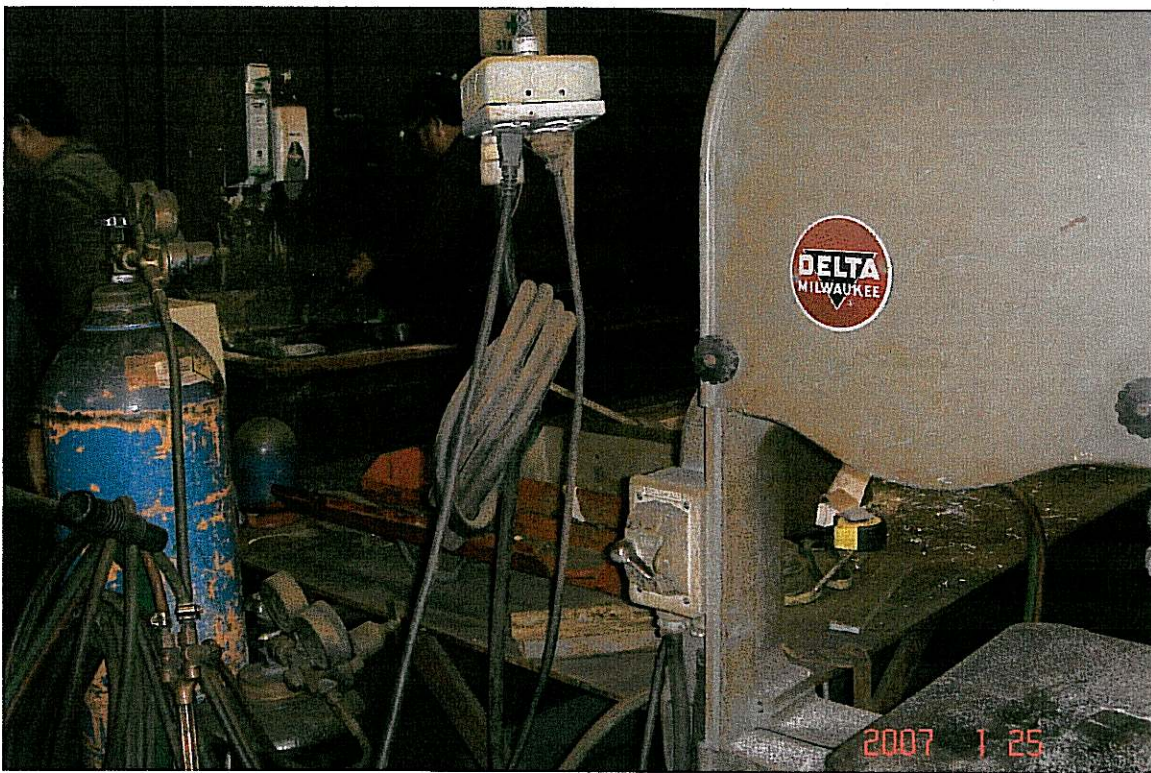


Location: Shop area. Photo # 40.

Title 8 Reference: 3235.

Action Item # 41: Electrical Wiring needs to be Direct Wired

Implementation Steps: The delta band saw needs to be direct wired to the electrical system.

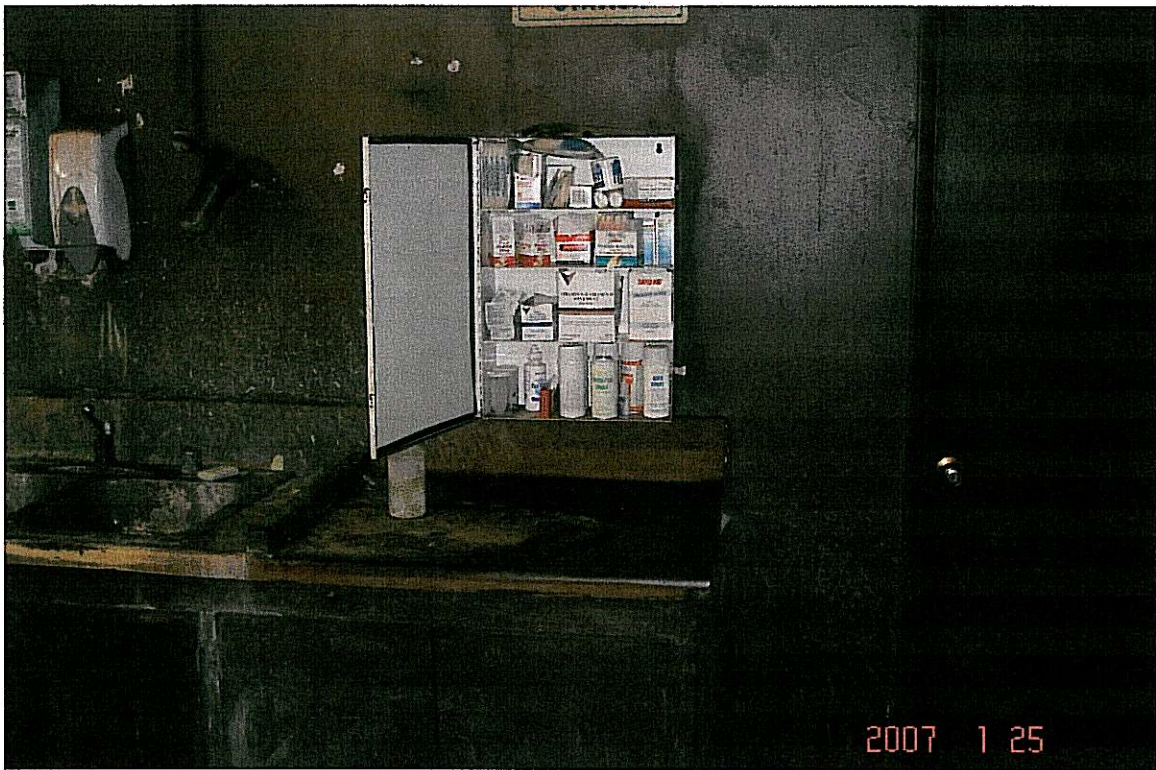


Location: Shop area. Photo # 41.

Title 8 Reference: 2340.26.

Action Item # 42: Dispensing of First Aid Supplies

Implementation Steps: All first aid supplies must be dispensed by supervisory personnel only. The first aid kit needs to be stored in the supervisors office at all times.



Location: Sink area. Photo # 42.

Title 8 Reference: 3400.

Action Item # 43: Fire Extinguisher Inspection

Implementation Steps: Fire extinguishers need to be inspected monthly and initial on the reverse of inspection tag.

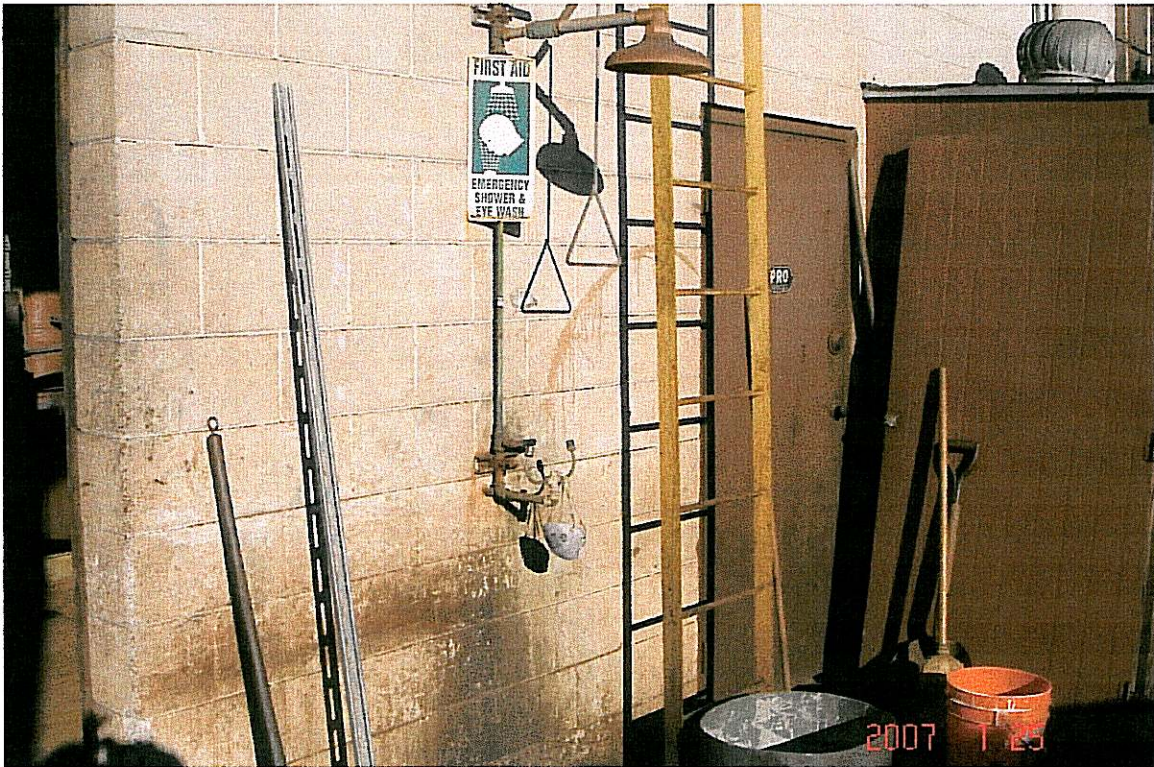


Location: Storage room. Photo # 43.

Title 8 Reference: 6151.

Action Item # 44: Emergency eyewash Station Locations

Implementation Steps: Emergency eyewash and shower equipment needs to be installed in areas where, during routine operations of foreseeable emergencies, the eyes of an employee can come into contact with any substance which can cause corrosion, severe irritation or permanent tissue damage or which is toxic by absorption. These units must meet the requirements of ANSI Z358.1-1981.

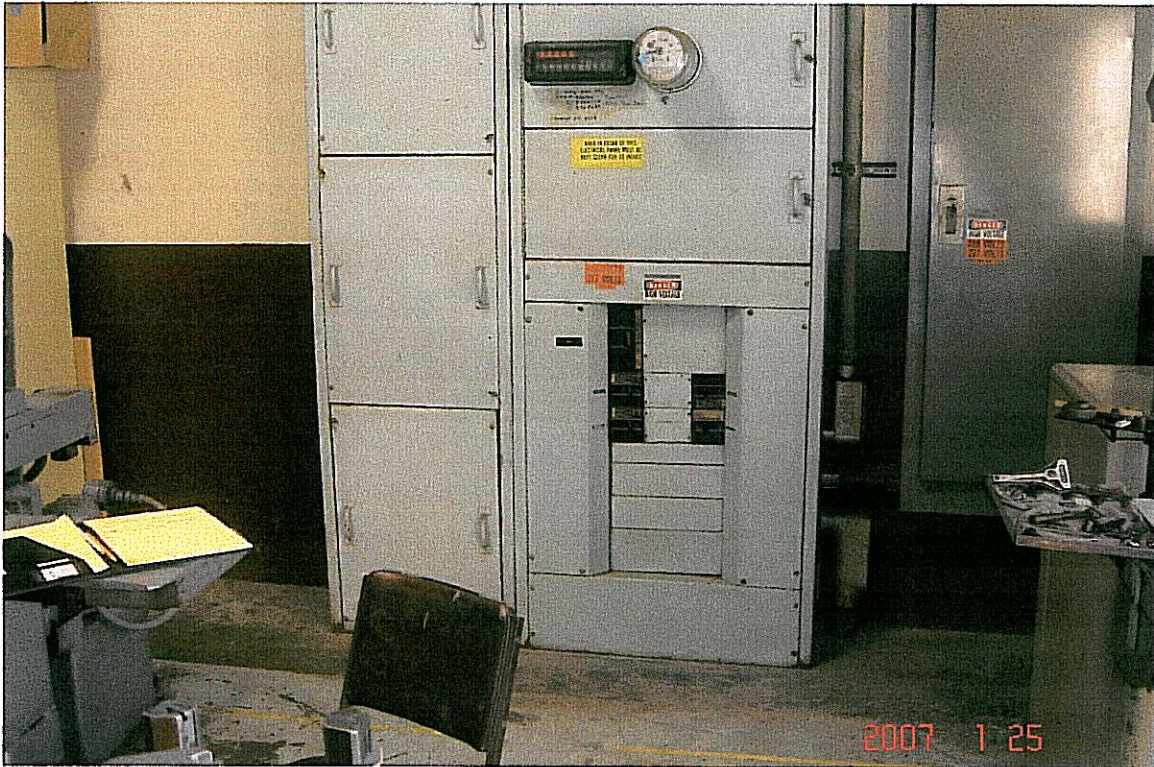


Location: East end of building. **Photo:** 44.

Title 8 Reference: 5162 (c).

Action Item # 45: Electrical Panel Blockage

Implementation Steps: The electrical panel needs a 36 inch minimum clearance around the panel. A painted yellow strip needs to be affixed around the panel. The circuit breakers need to be identified as to their location.

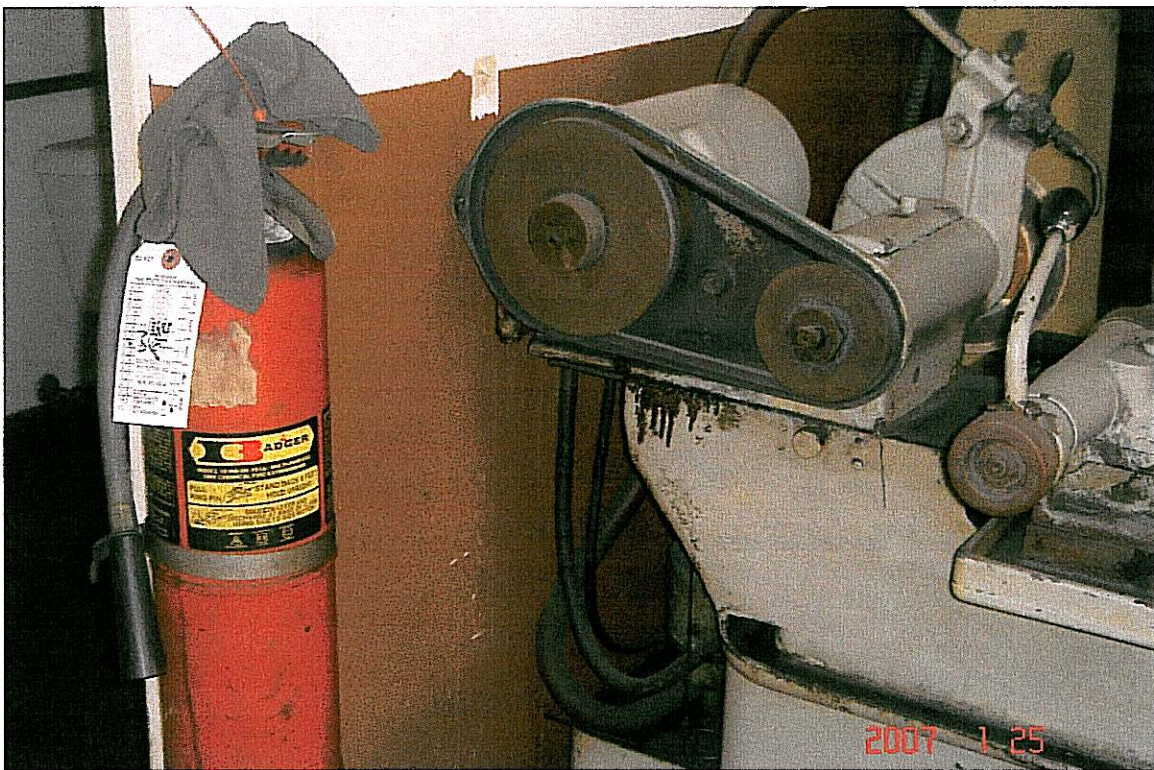


Location: Machine shop Photo # 45.

Title 8 Reference: 2340.16.

Action Item # 46: V-Belt guarding

Implementation Steps: The v-belt needs to be completely guarded on the kwik-way lathe.



Location: Machine shop. Photo # 46.

Title 8 Reference: 4070 ©.

Action Item # 47: Weather Head the Electrical Outlet

Implementation Steps: Provide weather heading to the electrical outlet adjacent to water sink to avoid accidental grounding.

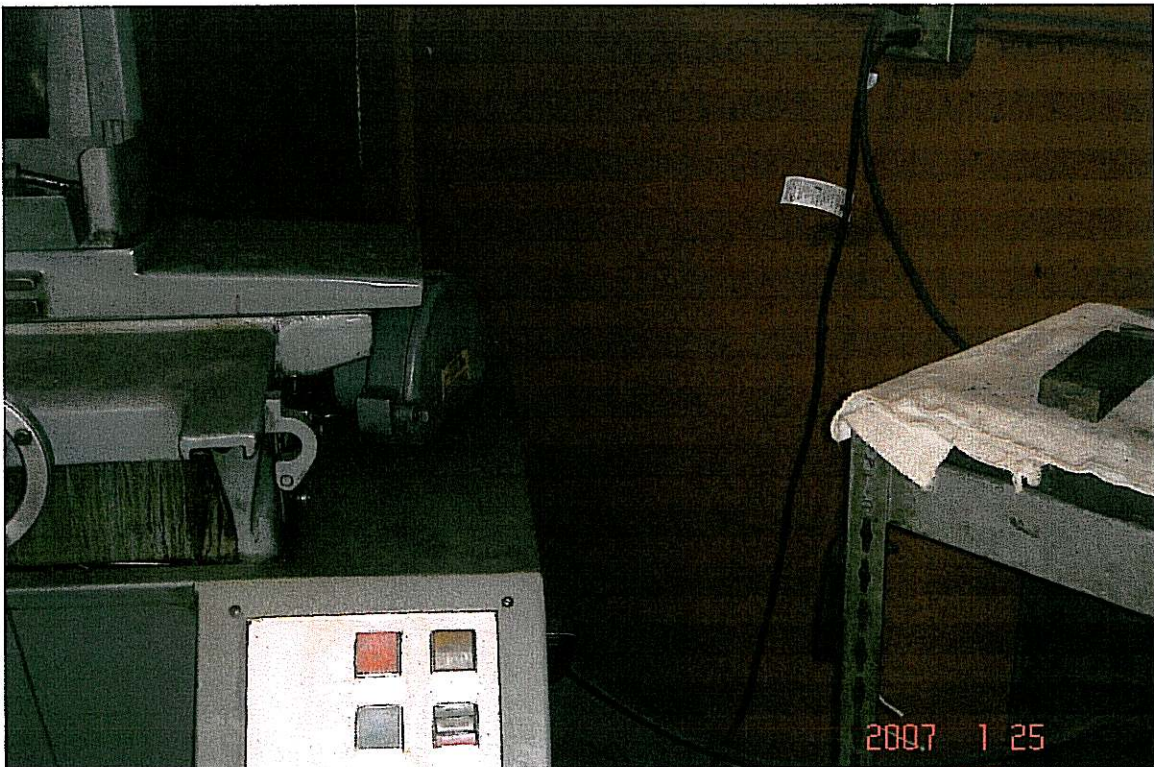


Location: Sink area in machine shop. Photo # 47.

Title 8 Reference: 2405.1.

Action Item # 48: Electrical Wiring needs to be Direct Wired.

Implementation Steps: The Harig machine needs to be direct wired to the electrical system.



Location: Machine shop area. Photo # 48.

Title 8 Reference: 2340.26.

Action Item # 49: Safety Clip Installation

Implementation Steps: A safety clip needs to be affixed on the throat of the hoisting hook.



Location: Machine shop. Photo # 49.

Title 8 Reference: 3999.

Action Item # 50: Fire Extinguisher Inspection

Implementation Steps: Fire extinguishers need to be inspected monthly and initial on the reverse of inspection tag.



Location: Machine shop. Photo # 50

Title 8 Reference: 6151.

Action Item # 51: Bench Grinder Guarding

Implementation Steps: Abrasive wheels shall be provided with protection hoods or safety guards, which will protect the employee from flying fragments of a bursting wheel. The tool rests shall be adjusted to within 1/8 inch of the wheel. The bench grinder needs to be secured to the table to prevent tipping and or falling.



Location: Machine shop. Photo # 51.

Title 8 Reference: 3577 (b).

Action Item # 52: Extension Cord Usage

Implementation Steps: Extension cords are not to be used for permanent wiring.

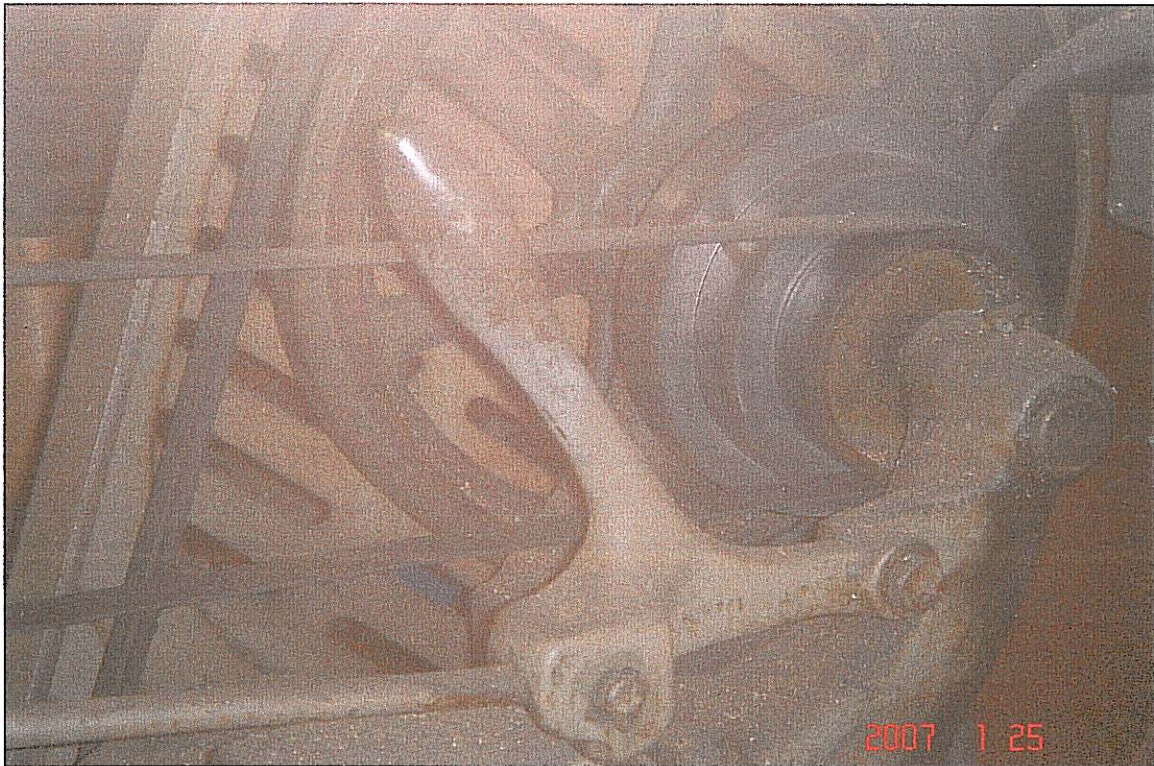


Location: Machine shop. Photo # 52.

Title 8 Reference: 2500.8

Action Item # 53: V-Belt guarding

Implementation Steps: The v-belt needs to be completely guarded on the metal lathe.

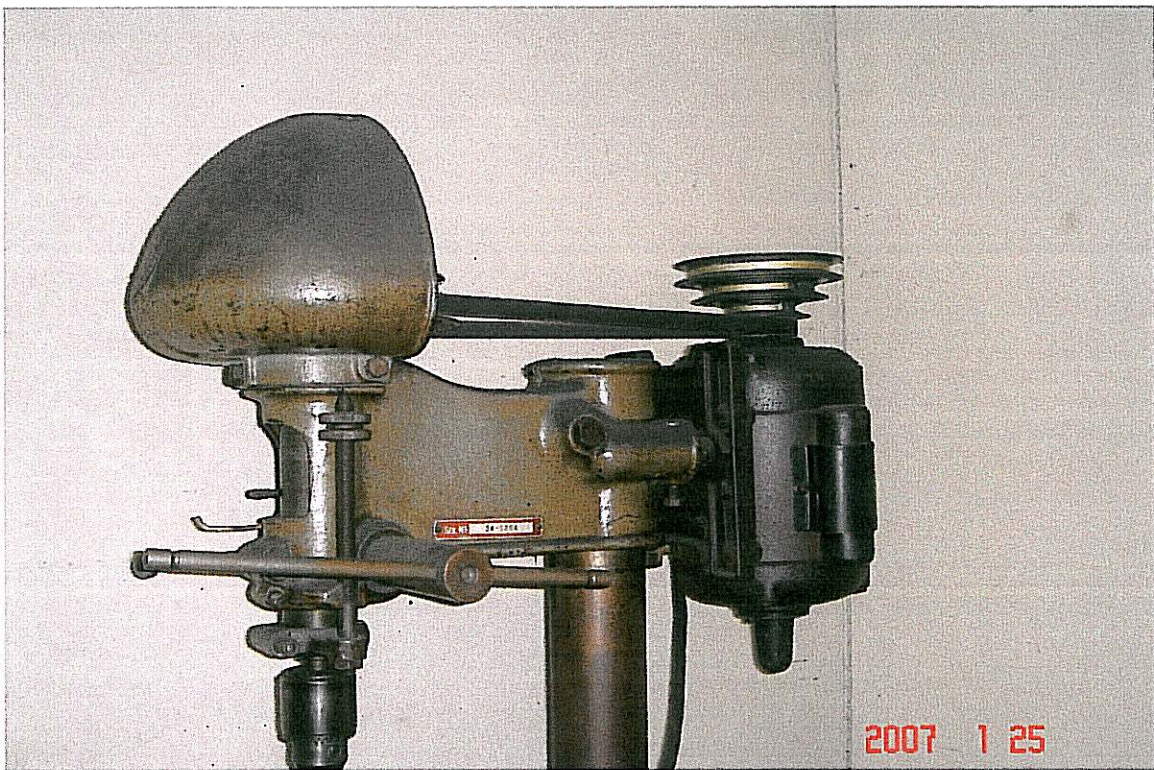


Location: Machine shop. Photo # 53.

Title 8 Reference: 4070 ©.

Action Item # 54: V-Belt guarding

Implementation Steps: The v-belt needs to be completely guarded on the drill press.

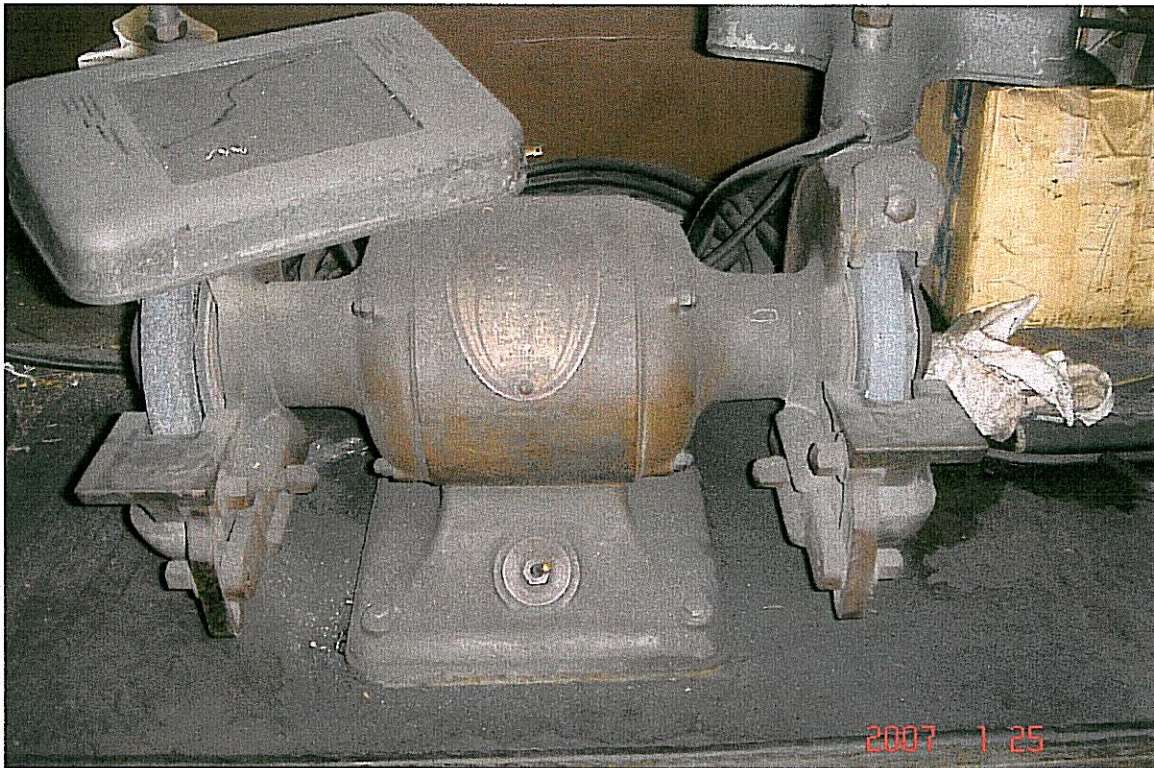


Location: Machine shop. Photo # 54.

Title 8 Reference: 4070 ©.

Action Item # 55: Bench Grinder Guarding

Implementation Steps: Abrasive wheels shall be provided with protection hoods or safety guards, which will protect the employee from flying fragments of a bursting wheel. The tool rests shall be adjusted to within 1/8 inch of the wheel. The bench grinder needs to be secured to the table to prevent tipping and or falling.



Location: Machine shop. Photo # 55.

Title 8 Reference: 3577 (b).

Action Item # 56: Gasoline Storage

Implementation Steps: Gasoline containers must be stored in a NFPA container.



Location: Machine shop. Photo # 56.

Title 8 Reference: 5533.

Action Item # 57: Electrical Panel Integrity

Implementation Steps: The electrical panel needs to be secured with a painted 3 foot clearance and the door must remain shut at all times.



Location: Machine shop. Photo # 57

Title 8 Reference: 2340.17.

Action Item # 58: Chemical Container Marking

Implementation Steps: All plastic bottle containing chemicals need to have the contents marked.



Location: Machine shop. Photo # 58

Title 8 Reference: 5194 (f).

Action Item # 59: Posting of Pertinent Employee Material

Implementation Steps: Ensure that all applicable posting information pertaining to worker required is posted.

Location: Break rooms.

Title 8 Reference: 3204.

Action Item # 60: Respiratory Protection

Implementation Steps: The employer shall provide respirators when such equipment is necessary to protect the health of the employee. The employer shall provide the respirators, which are applicable and suitable for the purpose intended. The employer shall be responsible for the establishment and maintenance of a respiratory protective program.

Location: In affected areas.

Title 8 Reference: 5144 (a) (2).

Action Item # 61: Use of Compressed Air

Implementation Steps: Compressed air in excess of 10 pounds per square inch gauge shall not be used to blow dirt, chips, or dust from clothing or work surfaces.

Location: In affected areas.

Title 8 Reference: 3301 (a).

Action Item # 62: Lock out/block out procedures

Implementation Steps: All machinery or equipment capable of movement shall be able to have the moveable parts effectively blocked or locked when performing cleaning, repairing, servicing and adjusting the equipment.

Location: Affected areas.

Title 8 Reference: 3314 (a)

Action Item # 63: Energy control procedure

Implementation Steps: An energy control procedure shall be developed and utilized by the employer when employees are engaged in the cleaning, repairing, servicing or adjusting of prime movers, machinery or equipment. All employees shall be trained in the safe procedures of initiating an effective lock out/block out program.

Location: Affected areas.

Title 8 Reference: 3314 (f).

Action Item # 64: Portable fire extinguishers

Implementation Steps: All portable fire extinguishers shall be physically inspected monthly and the person or persons responsible for this assignment shall initial their name on the reverse side of the yearly inspection tag. Any portable fire extinguisher that is found to be unserviceable shall be taken out of service and replaced with a serviceable fire extinguisher.

Location: Throughout the facility.

Title 8 Reference: 6151 (e).

Action Item # 65: Emergency action plan

Implementation Steps: An emergency action plan shall be in writing and shall cover those designated actions employers and employees must take to ensure employee safety from fire, earthquake and other emergencies. All employees shall be effectively trained upon first hire and at least semiannually in the evacuation drill procedures.

Location: Throughout the facility.

Title 8 Reference: 3220.

Action Item # 66: Fire Prevention Plan

Implementation Steps: The employer shall control accumulations of flammable and combustible waste materials and residues so that they do not contribute to a fire emergency.

Location: Throughout the facility.

Title 8 Reference: 3221.

Action Item # 67: Hearing Conservation Program

Implementation Steps: A hearing conservation program shall be established to ensure that all affected employees to noise exposures in excess of 85 decibels over an 8-hour time frame.

Location: Affected areas.

Title 8 Reference: 5097 (a).

Action Item # 68: Audiometric Testing of Employees

Implementation Steps: Any exposed employees shall be audiometrically tested to establish a hearing baseline of hearing loss. Each year, an audiometric test shall be performed on any affected employee to establish the effectiveness of the hearing conservation program.

Location: Affected areas.

Title 8 Reference: 5097 (c).

Action Item # 69: Hearing Protectors

Implementation Steps: The employer shall provide and the employee shall wear hearing protectors when exposed to an 8-hour time weighted average of 85 decibels or greater at no cost to the employee. Affected employees shall be trained in the need and use of the hearing protection.

Location: Affected areas

Title 8 Reference: 5098 (a).

Action Item # 70: Respiratory Protection Selection

Implementation Steps: An evaluation of the exposures shall be made with the use of the Material Safety Data Sheets, and then a determination shall be made on the selection of the appropriate respirator for the employee.

Location: Affected areas.

Title 8 Reference: 5144 (d).

Action Item # 71: Hazard Communications Program

Implementation Steps: The employer shall maintain copies of any Material Safety Data Sheet for any chemical at the jobsite. The employer shall ensure that employees are provided with information and training to protect them in the event of an exposure to the chemical.

Location: Affected area

Title 8 Reference: 5194.

Action Item # 72: Eye and Face Protection

Implementation Steps: Employees working in locations where there is a risk of receiving eye and face injuries such as punctures, abrasions, contusions, or burns as a result of contact with flying objects, hazardous substances, projections or injurious light rays which are inherent to the work or environment, shall be safeguarded by means of face and or eye protection.

Location: Affected areas.

Title 8 Reference: 3382.

Action Item # 73: Body Protection

Implementation Steps: Body protection is required for employees whose work exposes parts of their body to hazardous or flying substances or objects.

Location: Affected areas.

Title 8 Reference: 3383 (a)

Action Item # 74: Hand Protection

Implementation Steps: Hand protection shall be required and the employee shall use, when the work involves exposure of hands to cuts, burns, harmful physical or chemical agents, which can cause injury or impairments.

Location: Affected areas.

Title 8 Reference: 3384 (a).

Action Item # 75: First Aid/CPR Training

Implementation Steps: A sufficient number of staff employees need to be trained in first aid/CPR to ensure that they can assist a fellow employee in case of medical emergency.

Location: Throughout facility.

Title 8 Reference: 3400.

Some of the findings of the onsite consultation include hazardous conditions that, besides costing you in terms of injuries and illnesses, may also not be in compliance with Title 8 of the California Code of Regulations (T8CCR). Identified hazards are listed in Action Items.

Thank you for seeking our assistance. Should you wish to obtain any additional clarification or require additional onsite assistance, please do not hesitate to contact me at 323-258-2771.

Sincerely,

John A. O'Toole, Ph.D.

John A. O'Toole, Ph.D., RSSP
Principal Safety & Health Consultant